CLAIMS

1. A method of making a plastics stretch film comprising the steps of:-

a) taking a cast or blown film of LLDPE at a temperature of between 50°C and 100°C;

b) causing both plastic and elastic deformation of the film by stretching it in two successive stretching steps, said first step having a stretch ratio higher than that of said second step to form a stretched film;

c) relaxing said stretched film substantially to release all of the elastic deformation to form a substantially relaxed film; and

d) winding said substantially relaxed film into a roll.

2. A method of making a plastics stretch film as claimed in claim 1, wherein the temperature of said film is between 75°C and 90°C during said stretching steps.

3. A method of making a plastics stretch film as claimed in claim 2, wherein the temperature of said film is substantially 80°C during said stretching steps.

3. A method of making a plastics stretch film as claimed in claim 1, wherein the stretching of the film that occurs in said two successive steps has a stretch ratio in a range from 1:1.5 to 1:2.5 for each step.

4. A method of making a plastics stretch film as claimed in claim 1, wherein the stretching of the film that occurs in said first step has a stretch ratio in the range 1:1.85 to 1:1.95.

5. A method of making a plastics stretch film as claimed in claim 1, wherein the stretching of the film that occurs

in said second step has a stretch ratio in the range 1:1.70 to 1:1.80.

6. A method of making a plastics stretch film as claimed in claim 1, wherein the stretching of the film that occurs in said first step has a stretch ratio in the range 1:1.85 to 1:1.95 and wherein the stretching of the film that occurs in said second step has a stretch ratio in the range 1:1.70 to 1:1.80.

7. A method of making a plastics stretch film comprising the steps of:-

a) taking a cast or blown film of LLDPE at a temperature of between 50°C and 100°C;

b) causing both plastic and elastic deformation of the film by stretching it in two successive stretching steps, said first step having a stretch ratio higher than that of said second step, wherein during said second step said film is traveling at a first speed; and

c) relaxing said stretched film by winding said film into a roll at a speed 0.85 times said first speed.

8. A method of making a plastics stretch film as claimed in claim 7, wherein the temperature of said film is between 75°C and 90°C during said stretching steps.

9. A method of making a plastics stretch film as claimed in claim 8, wherein the temperature of said film is substantially 80°C during said stretching steps.

10. A method of making a plastics stretch film as claimed in claim 7, wherein the stretching of the film that occurs in said two successive steps has a stretch ratio in a range from 1:1.5 to 1:2.5 for each step.

11. A method of making a plastics stretch film as claimed in claim 7, wherein the stretching of the film that occurs

in said first step has a stretch ratio in the range 1:1.85 to 1:1.95.

12. A method of making a plastics stretch film as claimed in claim 7, wherein the stretching of the film that occurs in said second step has a stretch ratio in the range 1:1.70 to 1:1.80.

13. A method of making a plastics stretch film as claimed in claim 7, wherein the stretching of the film that occurs in said first step has a stretch ratio in the range 1:1.85 to 1:1.95 and wherein the stretching of the film that occurs in said second step has a stretch ratio in the range 1:1.70 to 1:1.80.